

**GLYCERYL OLIGONUCLEOTIDE**

Publication number: JP8208687

Publication date: 1996-08-13

Inventor: HOTODA HITOSHI; KOIZUMI MAKOTO; OMINE  
HISANORI; FURUKAWA HIDEHIKO; NISHIGAKI  
TAKASHI; ABE YASUSHI; KANEKO MASAKATSU

Applicant: SANKYO CO

Classification:

- international: C07H21/04; A61K31/70; A61K31/7088; A61P31/12;  
A61K31/70; C07H21/00; A61K31/70; A61K31/7088;  
A61P31/00; A61K31/70; (IPC1-7): A61K31/70;  
C07H21/04

- european:

Application number: JP19950301020 19951120

Priority number(s): JP19950301020 19951120; JP19940291207 19941125

Report a data error here

**Abstract of JP8208687**

**PURPOSE:** To obtain a new compound, a specific glyceryl oligonucleotide, useful as an anti-HIV agent having excellent anti-HIV activity and improved stability in blood by partially substituting deoxyribose with glycerol. **CONSTITUTION:** This glyceryl oligonucleotide is shown by formula I [DBB is 3,4-(dibenzoyloxy)benzyl; R<1> is guanine-9-yl or adenine-9-yl; R<2> is adenine-9-yl, guanine-9-yl, cytosine-1-yl, thymine-1-yl or uracil-1-yl; (m) is integer of 0 or 1-6; (n) is an integer of 1-6; m+n is 2-10], has excellent anti-HIV activity and improved stability in blood. The compound is obtained by introducing a nucleic acid base into a protected glycerol of formula II, reacting the resultant substance with 4,4'-dimethoxytrityl chloride, reacting the resulting substance with succinic anhydride to give a compound of formula III (R<3> is a nucleic acid base; DMT is 4,4'-dimethoxytrityl), subjecting the compound to extension reaction by phosphoramidite method and deprotecting.

-----  
Data supplied from the esp@cenet database - Worldwide